

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 0 | ("342").clas. AND (((modulat\$6 OR carrier) ADJ3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) ADJ3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR5 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 18:16 |
| L3 | 1 | ("342").clas. AND (((modulat\$6 OR carrier OR transmis\$6 OR transmit\$6) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR5 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 19:05 |
| L4 | 2 | ("342").clas. AND (((modulat\$6 OR carrier OR transmis\$6 OR transmit\$6) NEAR5 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) NEAR5 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR7 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 18:20 |

EAST Search History

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| L5 | 15 | ("342").clas. AND (((modulat\$6 OR carrier OR transmis\$6 OR transmit\$6) NEAR5 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) NEAR5 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 18:50 |
| L6 | 27 | ("342").clas. AND (((modulat\$6 OR carrier OR transmis\$6 OR transmit\$6) NEAR5 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) NEAR5 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 18:50 |
| L7 | 7 | ("342").clas. AND (((modulat\$6 OR carrier OR transmis\$6 OR transmit\$6) NEAR5 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) NEAR5 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR7 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 18:47 |
| L8 | 13 | L5 NOT L7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 18:50 |
| L9 | 3 | ("342").clas. AND (((modulat\$6 OR carrier OR transmis\$6 OR transmit\$6) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) NOT (L5 OR L7) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 18:50 |

EAST Search History

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|-----|----|--|----------------------------|----|----|------------------|
| L10 | 2 | (((modulat\$6 OR carrier OR transmis\$6 OR transmit\$6) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR5 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) AND (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 19:05 |
| L11 | 7 | (((modulat\$6 OR carrier OR transmis\$6 OR transmit\$6) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (demodulat\$6 OR envelope) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) AND (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 19:07 |
| L12 | 25 | (((transmis\$6 OR transmit\$6) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$6 OR receiv\$5) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) AND (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 19:08 |
| L13 | 5 | (((transmis\$6 OR transmit\$6) ADJ2 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$6 OR receiv\$5) ADJ2 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) AND (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 19:08 |

EAST Search History

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| L14 | 1 | ((transmis\$6 OR transmit\$6) ADJ2 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$6 OR receiv\$5) ADJ2 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR5 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 19:09 |
| S1 | 1 | 10/551748 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 20:49 |
| S2 | 91 | (nalezinski-martin OR vossiek-martin).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 20:55 |
| S3 | 9 | S2 AND (quasi WITH coherent\$5 WITH phase WITH (oscillat\$6 OR clock)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 20:58 |
| S4 | 9 | S3 AND (quasi WITH coherent\$5 WITH phase WITH (oscillat\$6 OR clock) OR oscillat\$6 WITH (transmit\$6 OR transmis\$6 OR reception OR receiv\$4 OR evaluat\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 14:54 |
| S5 | 1 | S1 AND measurement ADJ signal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/09 22:29 |
| S6 | 91 | (nalezinski-martin OR vossiek-martin).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 14:54 |

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|-----|----|--|---|----|-----|------------------|
| S7 | 9 | S6 AND (quasi WITH coherent\$5 WITH phase WITH (oscillat\$6 OR clock)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 14:55 |
| S8 | 25 | S6 AND (coheren\$5 WITH phase WITH (oscillat\$6 OR clock) OR oscillat\$6 WITH (transmit\$6 OR transmis\$6 OR reception OR receiv\$4 OR evaluat\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 16:19 |
| S9 | 16 | S8 NOT S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 14:58 |
| S10 | 4 | ("342").clas. AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)))) SAME ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 18:12 |
| S11 | 1 | ("342").clas. AND ((oscillators OR VCOs OR VCXOs OR OSCs) NEAR3 (couple\$1 OR coupling)) SAME ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 17:20 |
| S12 | 2 | ("342").clas. AND ((oscillators OR VCOs OR VCXOs OR OSCs) WITH (couple\$1 OR coupling)) SAME ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 17:18 |

EAST Search History

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| S13 | 2 | ("342").clas. AND ((oscillators OR VCOs OR VCXOs OR OSCs) NEAR3 (couple\$1 OR coupling)) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 17:23 |
| S14 | 6 | ("342").clas. AND ((oscillators OR VCOs OR VCXOs OR OSCs) WITH (couple\$1 OR coupling)) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR5 (coherent\$4 OR coherenc\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 17:26 |
| S15 | 13 | ("342").clas. AND ((oscillators OR VCOs OR VCXOs OR OSCs) WITH (couple\$1 OR coupling)) SAME ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR5 (phas\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 17:28 |
| S16 | 5 | ("342").clas. AND ((oscillators OR VCOs OR VCXOs OR OSCs) NEAR3 (couple\$1 OR coupling)) SAME ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR5 (phas\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 17:31 |
| S17 | 5 | S16 AND ((oscillators OR VCOs OR VCXOs OR OSCs) NEAR3 (couple\$1 OR coupling)) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR5 (phas\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 17:41 |
| S18 | 25 | "342".clas. AND ((oscillators OR VCOs OR VCXOs OR OSCs) NEAR6 (couple\$1 OR coupling)) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR5 (phas\$4 NEAR3 coheren\$6)) NOT S16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 18:00 |

EAST Search History

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| S19 | 9 | "342".clas. AND ((oscillators OR VCOs OR VCXOs OR OSCs) NEAR3 (couple\$1 OR coupling)) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (phas\$4 OR coheren\$6)) NOT S16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/10 18:02 |
| S20 | 53 | ("342").clas. AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling))) SAME ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 14:44 |
| S21 | 17 | ("342").clas. AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling))) WITH ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 19:53 |

EAST Search History

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| S22 | 17 | S21 AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling))) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 20:28 |
| S23 | 22 | ("20040108904" "3117317" "4132991" "4521778" "5019826" "5973636" "6191724" "6404381" "0640438" "6894572").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 20:29 |
| S24 | 36 | (S20 NOT S21) AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling))) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 20:37 |

EAST Search History

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| S25 | 6 | (S20 NOT S21) AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling) NEAR2 (inductiv\$3 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conductiv\$3)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling) NEAR2 (inductiv\$3 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conductiv\$3))) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/10 20:39 |
| S26 | 53 | ("342").clas. AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling))) SAME ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 15:57 |

EAST Search History

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| S27 | 17 | ("342").clas. AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling))) WITH ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 14:44 |
| S28 | 6 | (S26 NOT S27) AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling) NEAR2 (inductiv\$3 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conductiv\$3)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling) NEAR2 (inductiv\$3 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conductiv\$3))) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 14:44 |

EAST Search History

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| S29 | 30 | S26 AND (((oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling)) OR ((first OR second OR 1st OR 2nd OR additional OR two OR duo OR dual OR plurality OR plural OR multiple OR pair) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling))) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing)) NOT (S27 OR S28) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 14:52 |
| S30 | 133 | ("342").clas. AND (((first OR 1st OR transmis\$6 OR transmit\$6 OR modulatt\$6 OR carrier) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR3 (second OR 2nd OR recept\$5 OR receiv\$5 OR demodulat\$6 OR envelope) WITH (couple\$1 OR coupling))) WITH (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NOT S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 16:06 |
| S31 | 94 | ("342").clas. AND (((first OR 1st OR transmis\$6 OR transmit\$6 OR modulatt\$6 OR carrier) NEAR2 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR2 (second OR 2nd OR recept\$5 OR receiv\$5 OR demodulat\$6 OR envelope) WITH (couple\$1 OR coupling))) WITH (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NOT S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 16:08 |
| S32 | 59 | ("342").clas. AND (((first OR 1st) NEAR2 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR2 (second OR 2nd) WITH (couple\$1 OR coupling))) WITH (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NOT S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 16:14 |

EAST Search History

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|-----|----|--|---|----|----|------------------|
| S33 | 0 | ("342").clas. AND (((first OR 1st) NEAR2 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR2 (second OR 2nd) WITH (couple\$1 OR coupling))) WITH (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NEAR3 (quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NOT S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 16:13 |
| S34 | 0 | ("342").clas. AND (((first OR 1st) NEAR2 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR2 (second OR 2nd) WITH (couple\$1 OR coupling))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NEAR3 (quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NOT S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 16:13 |
| S35 | 9 | ("342").clas. AND (((first OR 1st) NEAR2 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR2 (second OR 2nd) WITH (couple\$1 OR coupling))) WITH (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) AND (quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NOT S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 16:28 |
| S36 | 15 | ("342").clas. AND (((first OR 1st) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR3 (second OR 2nd) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR7 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 17:08 |

EAST Search History

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|-----|----|---|---|----|----|------------------|
| S37 | 12 | ("342").clas. AND (((transmis\$6 OR transmit\$6) NEAR3 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR3 (recept\$6 OR receiv\$5) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR7 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 17:18 |
| S38 | 0 | ("342").clas. AND (((transmis\$6 OR transmit\$6) ADJ (oscillat\$5 OR VCO OR VCXO OR OSC) NEAR20 (recept\$6 OR receiv\$5) ADJ (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) NOT S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 17:34 |
| S39 | 1 | ("342").clas. AND (((transmis\$6 OR transmit\$6) ADJ2 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$6 OR receiv\$5) ADJ2 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) SAME (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NOT S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 18:14 |
| S40 | 1 | ("342").clas. AND (((transmis\$6 OR transmit\$6) ADJ (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$6 OR receiv\$5) ADJ (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NOT S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 17:32 |

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| | | | | | | |
|-----|----|---|---|----|----|------------------|
| S41 | 23 | ("342").clas. AND (((first) ADJ (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (second) ADJ (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) SAME (coherent\$4 OR coherenc\$4 OR phase\$1 OR phasing) NOT S36 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 17:32 |
| S42 | 4 | ("342").clas. AND (((transmis\$6 OR transmit\$6) ADJ (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$6 OR receiv\$5) ADJ (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7))) NOT S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 17:49 |
| S43 | 9 | ("342").clas. AND (((transmis\$6 OR transmit\$6) ADJ2 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$6 OR receiv\$5) ADJ2 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) SAME (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 17:51 |
| S44 | 2 | ("342").clas. AND (((transmis\$6 OR transmit\$6) ADJ3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$6 OR receiv\$5) ADJ3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$7 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$7) NEAR3 (induct\$5 OR directional\$2 OR capacitiv\$3 OR direct\$2 OR DC OR conduct\$5 OR electric\$4))) NOT S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 17:52 |



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- Delete a search
- Run a search

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- #1 radar<in>(metadata) <and> (((transmis* <or> transmit*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (recept* <or> receiv*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (couple* <or> coupling <or> excit* <or> actuat* <or> induce* <or> induci* <or> stimulat*) <near/5> (induct* <or> directional* <or> capacitiv* <or> direct* <or> dc <or> conduct* <or> electric*)))
- #2 (((quasi <or> substantially <or> almost <or> near* <or> approximat* <or> mostly <or> close* <or> roughly <or> largely) <near/3> (coherent* <or> coherenc* <or> phase* <or> phasing)) <in>metadata)
- #3 radar<in>(metadata) <and> (((transmis* <or> transmit*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (recept* <or> receiv*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (couple* <or> coupling <or> excit* <or> actuat* <or> induce* <or> induci* <or> stimulat*) <near/5> (induct* <or> directional* <or> capacitiv* <or> direct* <or> dc <or> conduct* <or> electric*)))
- #4 radar<in>(metadata) <and> (((transmis* <or> transmit*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (recept* <or> receiv*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (couple* <or> coupling <or> excit* <or> actuat* <or> induce* <or> induci* <or> stimulat*)))
- #5 radar<in>(metadata) <and> (((transmis* <or> transmit*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (recept* <or> receiv*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (couple* <or> coupling <or> excit* <or> actuat* <or> induce* <or> induci* <or> stimulat*)) <paragraph> ((quasi <or> substantially <or> almost <or> near* <or> approximat* <or> mostly <or> close* <or> roughly <or> largely) <near/3> (coherent* <or> coherenc* <or> phase* <or> phasing)))
- #6 radar<in>(metadata) <and> (((transmis* <or> transmit* <or> modulat* <or> carrier*) <near/3> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (demodulat* <or> envelope) <near/3> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (couple* <or> coupling <or> excit* <or> actuat* <or> induce* <or> induci* <or> stimulat*)) <paragraph> ((quasi <or> substantially <or> almost <or> near* <or> approximat* <or> mostly <or> close* <or> roughly <or> largely) <near/3> (coherent* <or> coherenc* <or> phase* <or> phasing)))
- radar<in>(metadata) <and> (((transmis* <or> transmit* <or> modulat* <or> carrier*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (demodulat* <or> envelope) <near/2>

#7 (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (couple* <or> coupling <or> excit* <or> actuat* <or> induce* <or> induci* <or> stimulat*) <near/5> (induct* <or> directional* <or> capacitiv* <or> direct* <or> dc <or> conduct* <or> electric*))

#8 radar<in>(metadata) <and> (((transmis* <or> transmit* <or> modulat* <or> carrier*) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (demodulat* <or> envelope) <near/2> (oscillat* <or> vco <or> vcxo <or> osc) <sentence> (couple* <or> coupling <or> excit* <or> actuat* <or> induce* <or> induci* <or> stimulat*))

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INSPEC SEARCH

- radar AND (modulat\$3 OR carrier OR transmis\$5 OR transmit\$5) NEAR5 (oscillat\$4 OR VCO OR VCXO OR OSC) WITH (demodulat\$3 OR envelope) NEAR5 (oscillat\$4 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$4 OR actuat\$4 OR induce\$1 OR induci\$3 OR stimulat\$4)

- radar AND (transmis\$5 OR transmit\$5) ADJ3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$4 OR receiv\$4) ADJ3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (couple\$1 OR coupling OR excit\$4 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$4)

- radar AND (modulat\$3 OR carrier OR transmis\$5 OR transmit\$5) NEAR5 (oscillat\$4 OR VCO OR VCXO OR OSC) WITH (demodulat\$3 OR envelope) NEAR5 (oscillat\$4 OR VCO OR VCXO OR OSC) AND (couple\$1 OR coupling OR excit\$4 OR actuat\$4 OR induce\$1 OR induci\$3 OR stimulat\$4)

- radar AND (transmis\$5 OR transmit\$5) ADJ3 (oscillat\$5 OR VCO OR VCXO OR OSC) WITH (recept\$4 OR receiv\$4) ADJ3 (oscillat\$5 OR VCO OR VCXO OR OSC) AND (couple\$1 OR coupling OR excit\$4 OR actuat\$4 OR induce\$1 OR induci\$6 OR stimulat\$4)

IEEE SEARCH [see also IEEE search session printout]

- radar<in>(metadata) <AND> (((transmis* <OR> transmit*) <NEAR/2> (oscillat* <OR> VCO <OR> VCXO <OR> OSC) <SENTENCE> (recept* <OR> receiv*) <NEAR/2> (oscillat* <OR> VCO <OR> VCXO <OR> OSC) <SENTENCE> (couple* <OR> coupling <OR> excit* <OR> actuat* <OR> induce* <OR> induci* <OR> stimulat*) <NEAR/5> (induct* <OR> directional* <OR> capacitiv* <OR> direct* <OR> DC <OR> conduct* <OR> electric*)))

- radar<in>(metadata) <AND> (((transmis* <OR> transmit*) <NEAR/2> (oscillat* <OR> VCO <OR> VCXO <OR> OSC) <SENTENCE> (recept* <OR> receiv*) <NEAR/2> (oscillat* <OR> VCO <OR> VCXO <OR> OSC) <SENTENCE> (couple* <OR> coupling <OR> excit* <OR> actuat* <OR> induce* <OR> induci* <OR> stimulat*)) <PARAGRAPH> ((quasi <OR> substantially <OR> almost <OR> near* <OR> approxim* <OR> mostly <OR> close* <OR> roughly <OR> largely) <NEAR/3> (coherent* <OR> coherenc* <OR> phase* <OR> phasing))))

- radar<in>(metadata) <AND> (((transmis* <OR> transmit* <OR> modul* <OR> carrier*) <NEAR/3> (oscillat* <OR> VCO <OR> VCXO <OR> OSC) <SENTENCE> (demodulat* <OR> envelope) <NEAR/3> (oscillat* <OR> VCO <OR> VCXO <OR> OSC) <SENTENCE> (couple* <OR> coupling <OR> excit* <OR> actuat* <OR> induce* <OR> induci* <OR> stimulat*)) <PARAGRAPH> ((quasi <OR> substantially <OR> almost <OR> near* <OR> approxim* <OR> mostly <OR> close* <OR> roughly <OR> largely) <NEAR/3> (coherent* <OR> coherenc* <OR> phase* <OR> phasing))))

- radar<in>(metadata) <AND> (((transmis* <OR> transmit* <OR> modul* <OR> carrier*) <NEAR/2> (oscillat* <OR> VCO <OR> VCXO <OR> OSC) <SENTENCE> (demodulat* <OR> envelope) <NEAR/2> (oscillat* <OR> VCO <OR> VCXO <OR> OSC) <SENTENCE> (couple* <OR> coupling <OR> excit* <OR> actuat* <OR> induce* <OR> induci* <OR> stimulat*) <NEAR/5> (induct* <OR> directional* <OR> capacitiv* <OR> direct* <OR> DC <OR> conduct* <OR> electric*))))

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------|------------------|---------|------------------|
| L1 | 21 | ((oscillators OR VCOs OR VCXOs OR OSCs) NEAR3 (couple\$1 OR coupling OR excit\$5 OR actuat\$5 OR stimulat\$5 OR induce\$1 OR induci\$2)) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1)).clm. | US-PGPUB | OR | OFF | 2007/05/11 20:30 |
| L2 | 1 | L1 AND (radar OR lidar OR ladar OR sonar OR sodar).clm. | US-PGPUB | OR | OFF | 2007/05/11 20:30 |
| L3 | 147 | ((oscillator OR VCO OR VCXO OR OSC) NEAR3 (couple\$1 OR coupling OR excit\$5 OR actuat\$5 OR stimulat\$5 OR induce\$1 OR induci\$2)) AND ((quasi OR substantially OR almost OR near\$2 OR approximat\$3 OR mostly OR close\$2 OR roughly OR largely) NEAR3 (coherent\$4 OR coherenc\$4 OR phase\$1)).clm. | US-PGPUB | OR | ON | 2007/05/11 20:30 |
| L4 | 4 | L3 AND (radar OR lidar OR ladar OR sonar OR sodar).clm. | US-PGPUB | OR | OFF | 2007/05/11 20:30 |